

# PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

To:  
L&K PATENT FIRM

701 Daekun Bldg. 822-5, Yeoksam-Dong, Kangnam-Gu,  
Seoul 135-080, Republic of Korea

**PCT**

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

(PCT Rule 43bis.1)

Date of mailing (day/month/year) <b>21 JANUARY 2005 (21.01.2005)</b>
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Applicant's or agent's file reference <b>PCT04018</b>	<b>FOR FURTHER ACTION</b> See paragraph 2 below
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International application No. <b>PCT/KR2004/002725</b>	International filing date (day/month/year) <b>26 OCTOBER 2004 (26.10.2004)</b>	Priority date(day/month/year) 29 OCTOBER 2003 (29.10.2003)
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International Patent Classification (IPC) or both national classification and IPC

**IPC7 E06B 7/02**

Applicant

**LEE, Byung-su**

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. **FURTHER ACTION**

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.  
For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR <b>Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea</b>	Authorized officer <b>KIM, Hyun Woo</b>
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**(21870)**

WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2004/002725

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).

2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:

a. **type of material**

a sequence listing  
 table(s) related to the sequence listing

b. **format of material**

in written format  
 in computer readable form

c. **time of filing/furnishing**

contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.

3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

4. Additional comments:

**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2004/002725

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	2-6	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

**2. Citations and explanations :**

Reference is made to the following documents:

D1: KR 98-0134598 Y (KI-HONG NAM) 23 October 1998

D2: KR 2001-0249221 Y (SANG-HO JEONG) 24 September 2001

D3: KR 2003-0316927 Y (SUNG-WOO KIM) 05 June 2003

D4: JP 3-005647-A (MATSUSHITA SEIKO CO., LTD.) 11 January 1991

The present invention relates to an automatic air purifying window, wherein induction and discharge parts are formed at a window stile to induce and discharge indoor and outdoor air, a purification cartridge is embedded at an inner portion of a lower window stile, and a filter is formed at the purification cartridge so that the air induced through an indoor air induction port can be induced into the room after passing through the filter.

D1 and D2 relate to an air shaft for windows which is formed at a window frame for ventilation. The present invention differs from the cited inventions of D1 and D2 in purifying air using a filter. However, purifying air using a filter is disclosed in D3 and D4.

Therefore, the subject matter of claim 1 is considered to lack an inventive step as being obvious over a simple combination of D1 and D4 or D2 and D3.